

05-17-01

A

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Larg Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
2001US304Total Pages in this Submission  
31**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**PHOTORESIST COMPOSITION FOR DEEP ULTRAVIOLET LITHOGRAPHY**

and invented by:

**Ralph R. Dammel and Raj Sakamuri**If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 25 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Microfiche Appendix (if applicable)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☐ Brief Description of the Drawings (if drawings filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

# UTILITY PATENT APPLICATION TRANSMITTAL

## (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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2001US304

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31

### Application Elements (Continued)

3. ☐ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☐ Formal Number of Sheets \_\_\_\_\_
- b. ☐ Informal Number of Sheets \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☒ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (identical to computer copy)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

### Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EL034079336US

# UTILITY PATENT APPLICATION TRANSMITTAL (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
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Total Pages in this Submission  
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## Acc mpanying Applicati n Parts (C ntinued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Additional Enclosures (please identify below):

## Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

## Warning

**An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.**

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Larg Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
2001US304

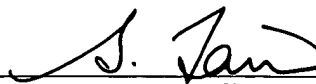
Total Pages in this Submission  
31

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	24	- 20 =	4	x \$18.00	\$72.00
Indep. Claims	1	- 3 =	0	x \$80.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$710.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$782.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 03-2060 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$782.00 as filing fee.
- ☒ Credit any overpayment.
- ☐ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Sangya Jain, Reg. No. 38,504  
Clariant Corporation  
70 Meister Avenue  
Somerville, NJ 08876  
(908) 429-3536

Dated: May 11, 2001

cc:

**TRANSMITTAL LETTER  
(General - Patent Pending)**

Docket No.  
2001US304

In Re Application Of: **Ralph R. Dammel and Raj Sakamuri**

Serial No.  
**NOT ASSIGNED**

Filing Date  
**May 11, 2001**

Examiner  
**NOT ASSIGNED**

Group Art Unit  
**NOT ASSIGNED**

Title: **PHOTORESIST COMPOSITION FOR DEEP ULTRAVIOLET LITHOGRAPHY**

**TO THE ASSISTANT COMMISSIONER FOR PATENTS:**

Transmitted herewith is:

- 1) Utility Patent Application Transmittal 2) Specification consisting of 25 pages 3) Combined Declaration and Power of Attorney 4) Recordation Form Cover Sheet 5) Assignment 6) Information Disclosure Citation w/references 7) Transmittal of Information Disclosure Statement 8) Postcard 9) Certificate of Mailing for 1 through 8

In the above identified application.

- ☐ No additional fee is required.
- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☐ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☐ Charge any additional fee required.

  
Signature

Dated: **May 11, 2001**

**Sangya Jain, Reg. No. 38,504  
Clariant Corporation  
70 Meister Avenue  
Somerville, NJ 08876  
telephone (908) 429-3563**

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

*Signature of Person Mailing Correspondence*

*Typed or Printed Name of Person Mailing Correspondence*

CC:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Ralph R. Dammel and Raj Sakamuri**

Docket No.

**2001US304**U.S. PTO  
09/853732

Serial No.

Not Assigned

Filing Date

**May 11, 2001**

Examiner

Not Assigned

Group Art Unit

Not Assigned

Invention: **Photoresist Composition for Deep Ultraviolet Lithography**

I hereby certify that the following correspondence:

Utility Patent Application Transmittal

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

**May 11, 2001***(Date)***Vivian Austin***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL034079336US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Ralph R. Dammel and Raj Sakamuri**

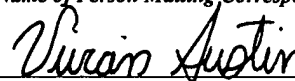
Docket No.


**2001US304**Serial No.  
Not AssignedFiling Date  
May 11,2001Examiner  
Not AssignedGroup Art Unit  
Not AssignedInvention: **Photoresist Composition for Deep Ultraviolet Lithography**

I hereby certify that the following correspondence:

**Patent Application consisting of 26 pages***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

May 11, 2001*(Date)*Vivian Austin*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL034079336US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b>			Docket No. <b>2001US304</b>
Applicant(s): <b>Ralph R. Dammel and Raj Sakamuri</b>			
Serial No. Not Assigned	Filing Date May 11, 2001	Examiner Not Assigned	Group Art Unit Not Assigned
Invention: <b>PHOTORESIST COMPOSITION FOR DEEP ULTRAVIOLET LITHOGRAPHY</b>			
<p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; padding: 10px; min-height: 40px;"><b>Combined Declaration and Power of Attorney</b></div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on</p> <p style="text-align: center;"><u>May 11, 2001</u> <i>(Date)</i></p> <div style="text-align: right; margin-top: 20px;"><p><u>Vivian Austin</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i></p><p> <i>(Signature of Person Mailing Correspondence)</i></p><p><u>EL034079340US</u> <i>("Express Mail" Mailing Label Number)</i></p></div>			
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**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Ralph R. Dammel and Raj Sakamuri**

Docket No.

**2001US304**

Serial No.

Not Assigned

Filing Date

**May 11,2001**

Examiner

Not Assigned

Group Art Unit

Not Assigned

U.S. PTO  
09/853732  
05/11/01Invention: **Photoresist Composition for Deep Ultraviolet Lithography**

I hereby certify that the following correspondence:

**Transmittal of Information Disclosure Statement***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

**May 11, 2001***(Date)***Vivian Austin***(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)***EL034079336US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Ralph R. Dammel and Raj Sakamuri**

Docket No.

**2001US304**

PTO

1017 U.S. PTO  
09/85/732

05/11/01

Serial No.

Not Assigned

Filing Date

May 11,2001

Examiner

Not Assigned

Group Art Unit

Not Assigned

Invention: **Photoresist Composition for Deep Ultraviolet Lithography**

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Information Disclosure Citation

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May 11, 2001*(Date)*Vivian Austin*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL034079336US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**